

## ABSTRACT OF THE DISCLOSURE

5       The present invention is directed to a weight  
scale having a balance control system that detects  
unequal load distribution to the scale's load  
sensors and produces an output signal that enables  
the user to re-distribute weight until a  
predetermined level of balance is achieved. Various  
load sensors are positioned in an array in the scale  
10       and are in communication with a controller that  
receives signals from the sensors indicative of  
relative load applied to each sensor. The  
controller generates a signal that is displayed or  
emitted to the user indicative of the position of  
15       the user's center of gravity relative to the  
sensors.